

REMARKS

Claim 1 has been amended to incorporate the features of dependent Claims 39, 41. Accordingly, Claims 39 and 41 have been canceled without prejudice and Claims 40 and 42 have been amended to depend from Claim 1.

Claim 3 has been amended to incorporate the features of dependent Claim 4. Accordingly, Claim 4 has been canceled without prejudice and Claim 5 has been amended to depend from Claim 3.

Claims 12, 22, 24 and 27 have been amended. Support for the amendment of Claim 12 appears in the specification at least at page 13, line 11 to page 15, line 17 and in FIGS. 4A and 4B.

Support for the amendment of Claims 22 and 24 appears in the specification at least at page 6, line 32 to page 7, line 10 and in FIGS. 2 and 3. Support for the amendment of Claim 27 appears in the specification at least at page 10, line 16 to page 12, line 10 and in FIGS. 1 and 3.

Claims 1-3, 5-38, 40, 42-44 are novel over Staudemeyer et al.

Claims 4, 39 and 41 have been canceled without prejudice thus obviating the rejection of these claims. All references to Staudemeyer et al. are directed to U.S. Patent 6,612,757.

A) CLAIMS 1-2, 9-11, 27-38, 40, 42-44 ARE NOVEL OVER STAUEMEYER ET AL.

Applicants respectfully submit that Staudemeyer et al. teaches that the conductor tracks 14 are formed on the surface of the main support 25 to which the transmission unit 1 is also coupled and thus the Examiner has failed to callout where Staudemeyer et al. teaches or suggests "a lead step".

Specifically, Staudemeyer et al. teaches:

... the multichannel optical transmission device contains a transmission unit 1, which is designed as a laser array and comprises a plurality of individual semiconductor lasers 3a to 3n arranged in a row 2. ...

The individual lasers are driven in a manner known

per se via connection pads 10 formed on the covering area 1b of the transmission unit 1 and **via conductor tracks 14 with further connection pads 16, said conductor tracks making contact with said connection pads 10 via bonding wires 12.** (Col. 3, lines 35-52, emphasis added.)

As shown in FIGS. 1, 3 and 6 of Staudemeyer et al., the connection pads 10 of the transmission unit 1 are coupled to the conductor tracks 14 on a surface of the main support 25 by the bonding wires 12. Further, the transmission unit 1 is also coupled to this same surface of the main support 25 as set forth in Staudemeyer et al.:

The supports 24a, 24b are fixed on **a main support 25, which is also a support of the transmission unit 1.** (Col. 4, lines 19-21, emphasis added.)

Accordingly, the Examiner has failed to callout where Staudemeyer et al. teaches or suggests:

A package comprising:
a substrate comprising:
 a pocket defined by a base and a pocket sidewall; and
 a lead step along said pocket sidewall;
an electronic component coupled to said substrate within said pocket, said electronic component comprising:
 an active area; and
 an active calibration area; and
a sensor coupled to said substrate, said sensor comprising a sensor area aligned with said active calibration area,

as recited in amended Claim 1, emphasis added. For the above reasons, Claim 1 is allowable over Staudemeyer et al. Claims 2, 9-11, 37-38, 40, 42-44, which depend from Claim 1, are allowable for at least the same reasons as Claim 1.

Claim 27 is allowable over Staudemeyer et al. for reasons similar to Claim 1. Claims 28-36, which depend from Claim 27, are allowable for at least the same reasons as Claim 27.

B) CLAIMS 3, 5-8, 22-26 ARE NOVEL OVER STAUEMEYER ET AL.

Regarding Staudemeyer et al., the Examiner states:

Note further the **window (30)** couled to the substrate ...
(Office Action, page 3, emphasis added.)

However, regarding the "window (30)", Staudemeyer et al. teaches:

For protection purposes, the space between the respective optically active zone 4a, 4n and the radiation-sensitive area 23a, 23b **is filled with a plastic 30** which is transmissive to the emitted radiation 28a, 28n of the lasers 4a, 4n. (Col. 4, lines 48-51, emphasis added.)

Accordingly, Staudemeyer et al. teaches filling with plastic 30. Thus, the Examiner has failed to callout where Staudemeyer et al. teaches or suggest:

A package comprising:
a substrate;
an electronic component coupled to said substrate, said electronic component comprising:
an active area; and
an active calibration area;
a sensor coupled to said substrate, said sensor comprising a sensor area aligned with said active calibration area; and
a window coupled to said substrate by an adhesive, said active calibration area being positioned adjacent a first surface of said window directly opposite of a position of said sensor area adjacent a second surface of said window, wherein said electronic component is located within a pocket of said substrate, said window sealing said pocket,

as recited in amended Claim 3, emphasis added. Accordingly, Claim 3 is allowable over Staudemeyer et al. Claims 5-8, which depend from Claim 3, are allowable for at least the same reasons as Claim 3.

Claims 22, 24 are allowable over Staudemeyer et al. for reasons similar to Claim 3. Claims 23, 26, which depend from Claim 22, are allowable for at least the same reasons as Claim 22. Claim 25, which depends from Claim 24, is allowable for at least the same reasons as Claim 24.

C) CLAIMS 12-21 ARE NOVEL OVER STAUEMEYER ET AL.

Staudemeyer et al. teaches:

Output signals supplied by two **monitor receivers 20a, 20b and fed to the circuit 18 via conductor tracks 22a, 22b and bonding wires** serve as input variable for said regulating arrangement. ... (Col. 4, lines 2-6, emphasis added.)

Accordingly, Staudemeyer et al. teaches the conductor tracks 22a, 22b are coupled by bonding wires to the circuit 18.

Thus, the Examiner has failed to callout where Staudemeyer et al. teaches or suggests:

A package comprising:
a substrate comprising a pocket;
an electronic component coupled to said substrate within said pocket, said electronic component comprising:
an active area; and
an active calibration area;
a sensor comprising:
a sensor area aligned with said active calibration area; and
a terminal;
a surface mount pad coupled to said substrate;
a mounting joint coupling said terminal to said surface mount pad; and
a sensor pad coupled to a lower surface of said substrate, said sensor pad being electrically coupled to said surface mount pad,

as recited in amended Claim 12, emphasis added. Accordingly, Claim 12 is allowable over Staudemeyer et al. Claims 13, 18-21, which depend from Claim 12, are allowable for at least the same reasons as Claim 12.

Claim 14 is allowable over Staudemeyer et al. for reasons similar to Claim 12. Claims 15-17, which depend from Claim 14, are allowable for at least the same reasons as Claim 14.

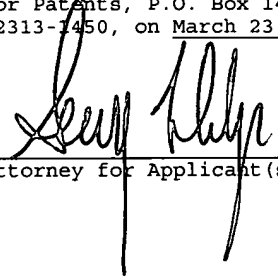
For the above reasons, Applicants respectfully request reconsideration and withdrawal of this rejection.

Conclusion

Claims 1-3, 5-38, 40, 42-44 are pending in the application. For the foregoing reasons, Applicants respectfully request allowance of all pending claims. If the Examiner has any questions relating to the above, the Examiner is respectfully requested to telephone the undersigned Attorney for Applicant(s).

CERTIFICATE OF MAILING

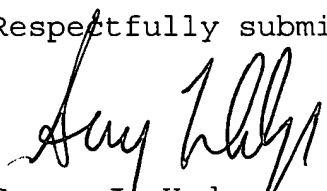
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 23, 2004.



Attorney for Applicant(s)

March 23, 2004
Date of Signature

Respectfully submitted,


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